

~~CONFIDENTIAL~~

EXT BY RDG SREQ BY

REASON

25X1A2g

(Phase B)

7 December 1964

Sponsor's Field Representative, Project [REDACTED] (Phase B)

25X1A2g

25X1A2g

Project [REDACTED] (Phase B); Testing of Grounding System
and Power Cables, Information Concerning.

1. On 4 December 1964, [REDACTED] of your office took megger readings for the purpose of verifying building grounds and quality of cables. Results are indicated below:

a. Operating Room No. 1 - Ground readings were taken between the copper grounding buss on the west side of the room and the purlins on the east and north sides of the room. Zero readings were obtained. An average reading of 1 meg ohm was obtained between the buss and the deck.

b. Operating Room No. 2 - Ground readings were taken between the copper grounding buss on the west side of the room and the columns on the west side and purlins on the east side of the room. Zero readings were obtained.

c. Control Room - Ground readings were taken between the copper grounding buss on the west side of the room and the columns on the east and west sides of the room. Zero readings were obtained.

d. Shop Area - Ground readings were taken between the copper grounding buss and the purlin along the north wall. Zero readings were obtained.

e. Utility Room, Toilet Area, Lounge, Storage Room, Power Building - Readings were taken between various parts of the structure and cold water lines or ground rods. Zero readings were obtained.

f. Distribution panel for plug in buss duct - Readings were obtained as follows: (Items listed to resemble panel as observed when facing it)

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1 CLASS	1	PAGE	2
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SUBJECT : Project [REDACTED] (Phase B); Testing of Grounding System and Power Cables, Information Concerning.

ILLEGIB

L. Side Terminal	Reading	R. Side Terminal	Reading
1	20 meg ohms	1	Infinity
2	40 meg ohms	2	10 meg ohms
3	30 meg ohms	3	100 meg ohms
4	7 meg ohms	4	Infinity
5	30 meg ohms	5	100 meg ohms
6	6 meg ohms	6	50 meg ohms

g. Feed Cables from manhole to main panel -
Inasmuch as the cables at the manhole end were submerged in water, realistic readings could not be obtained. The [REDACTED] electrician was requested to dry the cables and place heat lamps in the manhole to dry out the cables so that readings could be taken on 7 December 1964.

2. It is considered that the readings recorded in 1a through 1e above indicate satisfactory grounding of the transmitter building. Although it is considered that all readings recorded in 1f above should be infinity, it is believed that all readings except the 7 and 6 meg ohms readings are acceptable. I plan to have all readings reviewed by the sponsor's electrical engineer and will provide you with a decision as to acceptability via [REDACTED] channels. I will discuss this with [REDACTED] representative [REDACTED] with the hope of resolving the problem there. 25X1C4a 25X1A6a

[REDACTED]
25X1A9a